



## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

97B050/3

SERIAL NO.

10/613,373

APPLICANT

Datta et al.

FILING DATE

July 3, 2003

GROUP

1711

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RL	AA	6,153,703	11/28/00	Lustiger et al.	—	—	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RL	AL	EP 374 695	06/27/90	Europe	—	—		
	AM							
	AN							
	AO							
	AP							
	AQ							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AR	
	AS	

EXAMINER

Bernard Lipman

DATE CONSIDERED

5-12-05

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Alh	3,262,992	07/26/66	Holzer et al.			
	3,378,606	04/16/68	Kontos			
	3,758,656	09/11/73	Shih			
	3,853,969	12/10/74	Kontos			
	3,882,197	05/06/75	Fritz et al.			
	3,888,949	06/10/75	Shih			
	3,998,911	12/21/76	Strametz et al.			
	4,411,821	10/25/83	Howard, Jr.			
	4,461,872	07/24/84	Su			
	4,491,652	01/01/85	Matthews et al.			
Alh	4,540,753	09/10/85	Cozewith et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
Alh	WO 98 39384	09/11/98	PCT				
	WO 99/01485	01/14/99	PCT				
	WO 96/24623	08/15/96	PCT				
	WO 99/07788	02/18/99	PCT				
	WO 97/10300	03/20/97	PCT				
Alh	EP 695 765	07/21/95	EUROPE				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

Alh	Carlson et al., "Component Relaxation Processes within Elastomeric Polypropylene," Macromolecules, Vol. 32, pp.8100-8106 (1999).
Alh	Hu et al., "Elastomeric Polypropylenes from Unbridged (2-Phenylindene)zirconocene Catalysts: Thermal Characterization and Mechanical Properties," Macromolecules, Vol. 31, pp.6908-6916 (1999).

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
file	4,542,199	09/17/85	Kaminsky et al.				
	4,543,399	09/24/85	Jenkins, III, et al.				
	4,588,790	05/13/86	Jenkins, III, et al.				
	4,752,597	06/21/88	Turner				
	4,758,656	07/19/88	Itoh et al.				
	4,808,561	02/28/89	Welborn, Jr.				
	4,859,757	08/22/89	Pellon et al.				
	4,871,705	10/03/89	Hoel				
	4,897,455	01/30/90	Welborn, Jr.				
	4,912,075	03/27/90	Chang				
file	4,937,217	06/26/90	Chang				
	4,937,301	06/26/90	Chang				

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
file	WO 93/06169	04/01/93	PCT				
	WO 92/00333	01/09/92	PCT				
	EP 426 637 A2	05/08/91	EUROPE				
	EP 427 697 A2	05/15/91	EUROPE				
file	EP 495 375 A2	07/22/92	EUROPE				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)	
file	Cheng, H.N., "C NMR Analysts of Ethylene-Propylene Rubbers," Macromolecules, Vol. 17, pp.1950-1955, (1984).
file	Tincul et al., "Impact Fracture Toughness of Propylene/1-Pentene Random Copolymers," Polymer Material Sci. Eng., PMSEDG 79, pp.190-191, (1998).

EXAMINER  <div style="text-align: center; font-family: cursive; font-size: 1.2em;">Remond Lymon</div>	DATE CONSIDERED  <div style="text-align: center; font-family: cursive; font-size: 1.2em;">5-12-05</div>
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>plc</i>	5,008,228	04/16/91	Chang			
	5,017,714	05/21/91	Welborn, Jr.			
	5,028,670	07/02/91	Chinh, et al.			
	5,057,475	10/15/91	Canich et al.			
	5,068,025	02/04/92	Chang			
	5,120,867	06/09/92	Welborn, Jr.			
	5,132,262	07/21/92	Rieger, et al.			
	5,147,949	09/15/92	Chang			
	5,153,157	10/06/92	Hlatky et al.			
	5,198,401	03/30/93	Turner et al.			
	5,238,892	08/24/93	Chang			
<i>plc</i>	5,243,001	09/07/93	Winter, et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBL DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>plc</i>	WO 87/02991	05/21/87	PCT				
	EP 520 732	12/30/92	EUROPE				
	EP 573 403	12/08/93	EUROPE				
	EP 128 046	12/12/84	EUROPE				
<i>plc</i>	EP 0 277 003	08/03/88	EUROPE				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>plc</i>	Strate et al., "Near Monodisperse Ethylene-Propylene Copolymers by Direct Ziegler-Natta Polymerization. Preparation, Characterization, Properties," Macromolecules, v.21(12), pp.3360-3371, (1988).
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*Bernard Luperon*

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				97B050/3		10/613,373	
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ALC		5,278,119	01/11/94	Turner et al.			
		5,278,264	01/11/94	Spaleck et al.			
		5,296,434	03/22/94	Karl et al.			
		5,304,614	04/19/94	Winter et al.			
		5,324,800	06/28/94	Welborn, Jr. et al.			
		5,331,054	07/19/94	Fujita et al.			
		5,387,568	02/07/95	Ewen et al.			
		5,391,629	02/21/95	Turner et al.			
		5,416,178	05/16/95	Winter et al.			
		5,451,639	09/19/95	Marczinke et al.			
		5,455,305	10/03/95	Galambos et al.			
ALC		5,461,113	10/24/95	Marczinke et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
ALC		EP 0 277 004	08/03/88	EUROPE			
/		EP 0 302 424	02/08/89	EUROPE			
/		EP 0 480 190	04/15/92	EUROPE			
ALC		EP 0 582 194	02/09/94	EUROPE			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
ALC		Collette et al., "Elastomeric Polypropylenes from Alumina-Supported Tetraalkyl Group IVB Catalysts. 1. Synthesis and Properties of High Molecular Weight Stereoblock Copolymers," Macromolecules, Vol.21(12), pp.3360-3371, (1989).					
ALC		ASTM D 1646-96a, "Standard Test Methods for Rubber - Viscosity, Stress Relaxation, and Pre-Vulcanization Characteristics (Mooney Viscometer)," American Society for Testing and Materials.					
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
me	5,504,172	04/02/96	Imuta et al.	/	/		
/	5,516,848	05/14/96	Canich et al.	/	/		
/	5,539,056	07/23/96	Yang et al.	/	/		
/	5,576,259	11/19/96	Hasegawa et al.	/	/		
/	5,585,448	12/17/96	Resconi et al.	/	/		
/	5,594,080	01/14/97	Waymouth et al.	/	/		
/	5,618,895	04/08/97	Kerth et al.	/	/		
/	5,700,896	12/23/97	Dolle et al.	/	/		
me	5,747,621	05/05/98	Resconi et al.	/	/		
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
me	EP 0 890 584	01/13/99	EUROPE	/	/		
/	WO 96/06132	02/29/96	PCT	/	/		
/	EP 0 538 749	04/28/93	EUROPE	/	/		
me	EP 0 716 121	06/12/96	EUROPE	/	/		
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
me	ASTM D 3900-95, "Standard Tests Methods for Rubber Raw-Determination of Ethylene Units in EPM (Ethylene-Propylene Copolymers) and EPDM (Ethylene-Propylene-Diene Teropolymers)" American Society for Testing and Materials.						
/	Lin et al, "Regioirregular Propene Insertion on Polypropylenes Synthesized with Unbridged Bis(2-aryl)indenyl Zirconium Dichloride Catalysts: Implications on Activity," Macromolecules, Vol. 32, pp.8283-8290, (1999).						
me	Coates et al., "Oscillating Stereocontrol: A strategy for the Synthesis of Thermoplastic Elastomeric Polypropylene," Science, Vol. 267, pp.217-219, (1995).						
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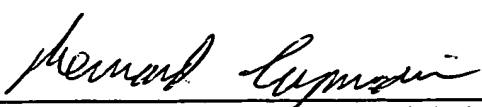
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ML	5,763,534	06/09/98	Srinivasan et al.			
	5,840,808	11/24/98	Sugimura et al.			
	5,869,584	02/09/99	Winter et al.			
	5,936,053	08/10/99	Fukuoka et al.			
	5,994,482	11/30/99	Georgellis et al.			
	6,037,417	03/14/00	Nguyen et al.			
	6,048,950	04/11/00	Dolle et al.			
	6,245,856	06/12/01	Kaufman et al.			
	6,342,565	01/29/02	Cheng et al.			
ML	2001/0039314	11/08/01	Mehta et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
ML	EP 0 646 624	04/05/95	EUROPE				
1	GB 1 342 647	01/03/74	GREAT BRITIAN				
ML	EP 0 546 690	06/16/93	EUROPE				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

ML	Hu et al., "Elastomeric Polypropylenes from Unbridged 2-Phenylindene Zirconocene Catalysts: Temperature Dependence of Crystallinity and Relaxation Properties," <i>Macromolecules</i> , Vol. 32, pp.3334-3340 (1999).

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